

Solve the given system using substitution and/or elimination. Classify the system as having one solution, no solutions, or infinite solutions. Check your answer both algebraically and graphically.

$$\begin{cases} \frac{5}{6}x + \frac{5}{3}y = -\frac{7}{3} \\ -\frac{10}{3}x - \frac{20}{3}y = 10 \end{cases}$$

Exercise 1 Classify this system as having one solution, no solutions, or infinite solutions.

Multiple Choice:

- (a) one solution
- (b) no solutions ✓
- (c) infinite solutions